

RECEIVED OFFICE OF PETITIONS



MAR 2 2 2002

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TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/017,735A

DATE: 03/11/2002 TIME: 09:57:51

Input Set : D:\39963-20008.txt

Output Set: N:\CRF3\03112002\I017735A.raw

RECEIVED

MAR 2 1 2 1

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4 <110> APPLICANT: EPIMMUNE, Inc.
                                                                 OFFICE OF PERMIUN.
        Grey, Howard
        Sette, Alessandro
6
        Sidney, John
7
        Southwood, Scott
10 <120> TITLE OF INVENTION: HLA-A2.1 BINDING PEPTIDES AND THEIR USES
8
13 <130> FILE REFERENCE: 39963-20008.20
15 <140> CURRENT APPLICATION NUMBER: US 09/017,735A
16 <141> CURRENT FILING DATE: 1998-02-03
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 63 <220> FEATURE:
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DATE: 03/11/2002
                RAW SEQUENCE LISTING
                                                        TIME: 09:57:51
                PATENT APPLICATION: US/09/017,735A
                Input Set : D:\39963-20008.txt
                Output Set: N:\CRF3\03112002\I017735A.raw
64 <223> OTHER INFORMATION: Immunogenic peptide from TSA-1 514
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128 1
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DATE: 03/11/2002

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/017,735A TIME: 09:57:51 Input Set : D:\39963-20008.txt Output Set: N:\CRF3\03112002\I017735A.raw 130 <210> SEQ ID NO: 10 131 <211> LENGTH: 9 132 <212> TYPE: PRT 133 <213> ORGANISM: Artificial Sequence 135 <220> FEATURE: 136 <223> OTHER INFORMATION: Immunogenic peptide from MT 85c 317 138 <400> SEQUENCE: 10 139 Ala Met Lys Ala Asp Ile Gln His Val 142 <210> SEQ ID NO: 11 143 <211> LENGTH: 9 144 <212> TYPE: PRT 145 <213> ORGANISM: Artificial Sequence 147 <220> FEATURE: 148 <223> OTHER INFORMATION: Immunogenic peptide from MT 65k 285 150 <400> SEQUENCE: 11 151 Ala Met Leu Gln Asp Met Ala Ile Leu 5 154 <210> SEQ ID NO: 12 155 <211> LENGTH: 9 156 <212> TYPE: PRT 157 <213> ORGANISM: Artificial Sequence 160 <223> OTHER INFORMATION: Immunogenic peptide from MT superoxide dismutase 161 160 163 <400> SEQUENCE: 12 164 Asp Met Trp Glu His Ala Phe Tyr Leu 165 1 167 <210> SEQ ID NO: 13 168 <211> LENGTH: 9 169 <212> TYPE: PRT 170 <213> ORGANISM: Artificial Sequence 172 <220> FEATURE: 173 <223> OTHER INFORMATION: Immunogenic peptide from MT 65k 509 175 <400> SEQUENCE: 13 176 Gly Leu Phe Leu Thr Thr Glu Ala Val 177 1 179 <210> SEQ ID NO: 14 180 <211> LENGTH: 9 181 <212> TYPE: PRT 182 <213> ORGANISM: Artificial Sequence 185 <223> OTHER INFORMATION: Immunogenic peptide from MT alanine dehydrogenase 92 188 <400> SEQUENCE: 14 189 Ile Leu Phe Thr Phe Leu His Leu Ala 190 1 192 <210> SEQ ID NO: 15 193 <211> LENGTH: 9

DATE: 03/11/2002

RAW SEQUENCE LISTING TIME: 09:57:51 PATENT APPLICATION: US/09/017,735A Input Set : D:\39963-20008.txt Output Set: N:\CRF3\03112002\I017735A.raw 194 <212> TYPE: PRT 195 <213> ORGANISM: Artificial Sequence 197 <220> FEATURE: 198 <223> OTHER INFORMATION: Immunogenic peptide from MT 65k 369 200 <400> SEQUENCE: 15 201 Lys Leu Ala Gly Gly Val Ala Val Ile 5 202 1 204 <210> SEQ ID NO: 16 205 <211> LENGTH: 9 206 <212> TYPE: PRT 207 <213> ORGANISM: Artificial Sequence 209 <220> FEATURE: 210 <223> OTHER INFORMATION: Immunogenic peptide from MT 85B 15 212 <400> SEQUENCE: 16 213 Leu Met Ile Gly Thr Ala Ala Ala Val 5 214 1 216 <210> SEQ ID NO: 17 217 <211> LENGTH: 9 218 <212> TYPE: PRT 219 <213> ORGANISM: Artificial Sequence 221 <220> FEATURE: 222 <223> OTHER INFORMATION: Immunogenic peptide from MT 65k 286 224 <400> SEQUENCE: 17 225 Met Leu Gln Asp Met Ala Ile Leu Thr 226 1 228 <210> SEQ ID NO: 18 229 <211> LENGTH: 9 230 <212> TYPE: PRT 231 <213> ORGANISM: Artificial Sequence 233 <220> FEATURE: 234 <223> OTHER INFORMATION: Immunogenic peptide from MT 85B 14 236 <400> SEQUENCE: 18 237 Arg Leu Met Ile Gly Thr Ala Ala Ala 238 1 240 <210> SEQ ID NO: 19 241 <211> LENGTH: 9 242 <212> TYPE: PRT 243 <213> ORGANISM: Artificial Sequence 245 <220> FEATURE: 246 <223> OTHER INFORMATION: Immunogenic peptide from MT 32k 178 Immunogenic peptide from MT 32k 25 250 <400> SEQUENCE: 19 251 Arg Leu Val Ser Gly Leu Val Gly Ala 252 1 5 254 <210> SEQ ID NO: 20 255 <211> LENGTH: 9

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257 <213> ORGANISM: Artificial Sequence

DATE: 03/11/2002 RAW SEQUENCE LISTING TIME: 09:57:52 US/09/017,735A PATENT APPLICATION: Input Set : D:\39963-20008.txt Output Set: N:\CRF3\03112002\I017735A.raw 260 <223> OTHER INFORMATION: Immunogenic peptide from MT 70k 318 262 <400> SEQUENCE: 20 263 Arg Met Pro Ala Val Thr Asp Leu Val 264 1 266 <210> SEQ ID NO: 21 267 <211> LENGTH: 9 268 <212> TYPE: PRT 269 <213> ORGANISM: Artificial Sequence 271 <220> FEATURE: 272 <223> OTHER INFORMATION: Immunogenic peptide from MT 70k 179 274 <400> SEQUENCE: 21 275 Ser Leu Leu Glu Ile Gly Glu Gly Val 278 <210> SEQ ID NO: 22 279 <211> LENGTH: 9 280 <212> TYPE: PRT 281 <213> ORGANISM: Artificial Sequence 283 <220> FEATURE: 284 <223> OTHER INFORMATION: Immunogenic peptide from MT 70k 363 286 <400> SEQUENCE: 22 287 Val Leu Leu Leu Asp Val Thr Pro Leu 288 1 290 <210> SEQ ID NO: 23 291 <211> LENGTH: 9 292 <212> TYPE: PRT 293 <213> ORGANISM: Artificial Sequence 295 <220> FEATURE: 296 <223> OTHER INFORMATION: Immunogenic peptide from MT 85c 137 298 <400> SEQUENCE: 23 299 Tyr Thr Tyr Lys Trp Glu Thr Phe Leu 300 1 302 <210> SEQ ID NO: 24 303 <211> LENGTH: 9 304 <212> TYPE: PRT 305 <213> ORGANISM: Artificial Sequence 307 <220> FEATURE: 308 <223> OTHER INFORMATION: Immunogenic peptide from Lassa gp 343 310 <400> SEQUENCE: 24 311 Ala Leu Ile Asn Asp Gln Leu Ile Met 5 312 1 314 <210> SEQ ID NO: 25 315 <211> LENGTH: 9 316 <212> TYPE: PRT 317 <213> ORGANISM: Artificial Sequence 320 <223> OTHER INFORMATION: Immunogenic peptide from Lassa Josiah(NP) 376 319 <220> FEATURE:

> Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

322 <400> SEQUENCE: 25

324 1

323 Ala Met Leu Gln Leu Asp Pro Asn Ala 5

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/017,735A

DATE: 03/11/2002 TIME: 09:57:53

Input Set : D:\39963-20008.txt

Output Set: N:\CRF3\03112002\I017735A.raw

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L:2516 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:2519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193
L:2534 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:2545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194
L:2560 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:2570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194
L:2570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195
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